In the United States Patent and Trademarks Office

Application number: 09/535,547

Applicant: Thieberger Gil

Title: Flat Ophthalmic Lens Synthesized from its specifications

Art unit: 2873

Examiner: Sugarman, Scott J

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This is a confirmation fax containing 8 pages (including this one)

Response to 07/15/2003 Office Action

Assistant Commissioner for Patents

Box Patent Application

Washington, D.C. 20231

Sir:

- **This is a confirmation copy of the fax I sent today.**
- The applicant requests to replay to the office action, date mailed: July 15, 2003.

1. Claims - amendment of five claims

The applicant would like to amend claims 14, 17, 25, 33 and 34.

Herein the amended claims.

1. (original): A method of making a prescription optical device, having a predetermined prescription when curved to a predetermined arched shape, comprising a prescription saw-toothed surface zone, having plurality of discontinuities, comprising the steps of:
   a) calculating the surface heights of the arched prescription surface zone in accordance with said predetermined prescription,
   b) transforming said surface heights of said arched surface to surface heights of a flat surface.
2. (original): The method of claim 1, further comprising the steps of:
   a) checking whether a predetermined condition for having a surface discontinuity is fulfilled,
   b) repeating the process when said predetermined condition is fulfilled.
3. (original): The method of claim 1, wherein said predetermined condition for having a surface discontinuity is the height of said discontinuity, the microscopic shape of the surface, the viewed geometric pattern made by said discontinuities, a diffraction consideration, quality of the formed image, cosmetic factors, grinding technique, manufacturing technique, surface durability, tolerance budgeting methods.
4. (original): The method of claim 1, wherein the calculation of said arched surface heights comprises:
   a) calculating microscopic normals to said arched surface, whereby said microscopic normals produce the required prescription,
   b) calculating the surface heights of said arched surface from said calculated microscopic normals.
5. (original): The method of making a prescription saw-toothed surface zone according to claim 1, wherein said plurality of discontinuities are protected by protective means.
6. (original): The method of making the prescription optical device according to claim 1, wherein said prescription optical device is an ophthalmic lens.